

LILO of both circuits of 220kV D/C Viramgam - Nano Line at 220kV Khoraj Substation through D/C towers			
SR NO	TOWER TYPE	Steel in kg	B/N in kg
		Unit	BOM
4	LARGE ANGLE TOWER-60Deg/DE-D		
a)	Super Structure-DE	7529	263.83
b)	Super Structure-60Deg	7648	272.24
c)	Super Structure-90Deg	8608	326.88
d)	Stub(N)	389	3.336
e)	Stub(BC)	484.9	3.336
f)	Template	1284	31.568
g)	3Meter Extension	1590	46.818
h)	6Meter Extension	2586	65.636
i)	9Meter Extension	3628	113.47
j)	Stub for +9/12 meter extension	481.2	4.288
k)	12 meter extension	5517	136.57
l)	Stub-setting template+9/12/15 meter extension	1671	47.424
m)	stub for 18 meter extension	631.2	4.544
n)	18 meter extension	8975	206.62
o)	stub-setting template for 18 meter	1769	48.496
p)	stub for 15 meter extension	631.2	4.544
q)	15 meter extension	7592	187.88
r)	21 meter extension	12764	296.88
s)	Stub for 21 meter extension	700	4.653
t)	Template for 21/25 meter extn.	2172	53.76
u)	25 Meter Ext.	15063	358.7
v)	Stub for 25 Meter Ext	700	4.653
vi)	Template for +28 Meter Extn. (Tentative)	2498	61.83
vii)	Stub for +28 Meter Extn. (Tentative)	875	5.817
viii)	28 Meter Extension (Tentative)	18830	448.4

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SR NO	TYPE OF TOWER	HT Steel IN MT	MS steel IN MT	B/N IN MT
		Unit Bom Weight		
3	LARGE ANGLE - 60 DEG ND			
a)	Normal Tower	3.923	2.328	0.335
b)	Stub up to +6 Mtr	0.464	0.033	0.007
C)	Template	0.000	0.527	0.018
d)	+3 Meter Extn tantative	840.380	421.240	58.040
e)	+6 Meter Extn	0.000	0.000	0.000
f)	Stub up to +9 Mtr	0.000	0.000	0.000
g)	Template for +9 Mtr (Tentative)	0.000	0.000	0.000
h)	+9 Meter Extn	0.000	0.000	0.000
i)	Stub for +12 Mtr	0.000	0.000	0.000
j)	Template for +12 Mtr (Tentative)	0.000	0.000	0.000
k)	+12 Meter Extn	0.000	0.000	0.000
l)	Stub for +15 Mtr	0.000	0.000	0.000
m)	Template for +15 Mtr (Tentative)	0.000	0.000	0.000
n)	+15 Meter Extn	0.000	0.000	0.000
o)	Stub for +25 Mtr (Tentative)	0.000	0.000	0.000
p)	Template for +25 Mtr (Tentative)	0.000	0.000	0.000
q)	+25 Meter Extn (Tentative)	0.000	0.000	0.000
4	LARGE ANGLE - 90 DEG NE Dead end			
a)	Normal Tower	5.36	1.956	0.383
b)	Stub up to +6 Mtr	0.572	0.000	0.010
C)	Template	0.000	0.555	0.018
d)	+3 Meter Extn	0.774	0.563	0.066
e)	+6 Meter Extn	0.000	0.000	0.000
f)	Stub up to +9 Mtr	0.000	0.000	0.000
g)	Template for +9 Mtr (Tentative)	0.000	0.000	0.000
h)	+9 Meter Extn	0.000	0.000	0.000
i)	Stub for +12 Mtr	0.000	0.000	0.000
j)	Template for +12 Mtr (Tentative)	0.000	0.000	0.000
k)	+12 Meter Extn	0.000	0.000	0.000
l)	Stub for +15 Mtr	0.000	0.000	0.000
m)	Template for +15 Mtr (Tentative)	0.000	0.000	0.000
n)	+15 Meter Extn	0.000	0.000	0.000
o)	Stub for +25 Mtr (Tentative)	0.000	0.000	0.000
p)	Template for +25 Mtr (Tentative)	0.000	0.000	0.000
q)	+25 Meter Extn (Tentative)	0.000	0.000	0.000